

First blockchain node
(transaction sender)



A1: The first blockchain node generates a shared key based on a private key of the first blockchain node and a first public key of the second blockchain node

A2: The first blockchain node generates a temporary public key address of the second blockchain node based on the shared key and first transaction content

A3: The first blockchain node adds first transaction information to a blockchain

Second blockchain node
(transaction recipient)



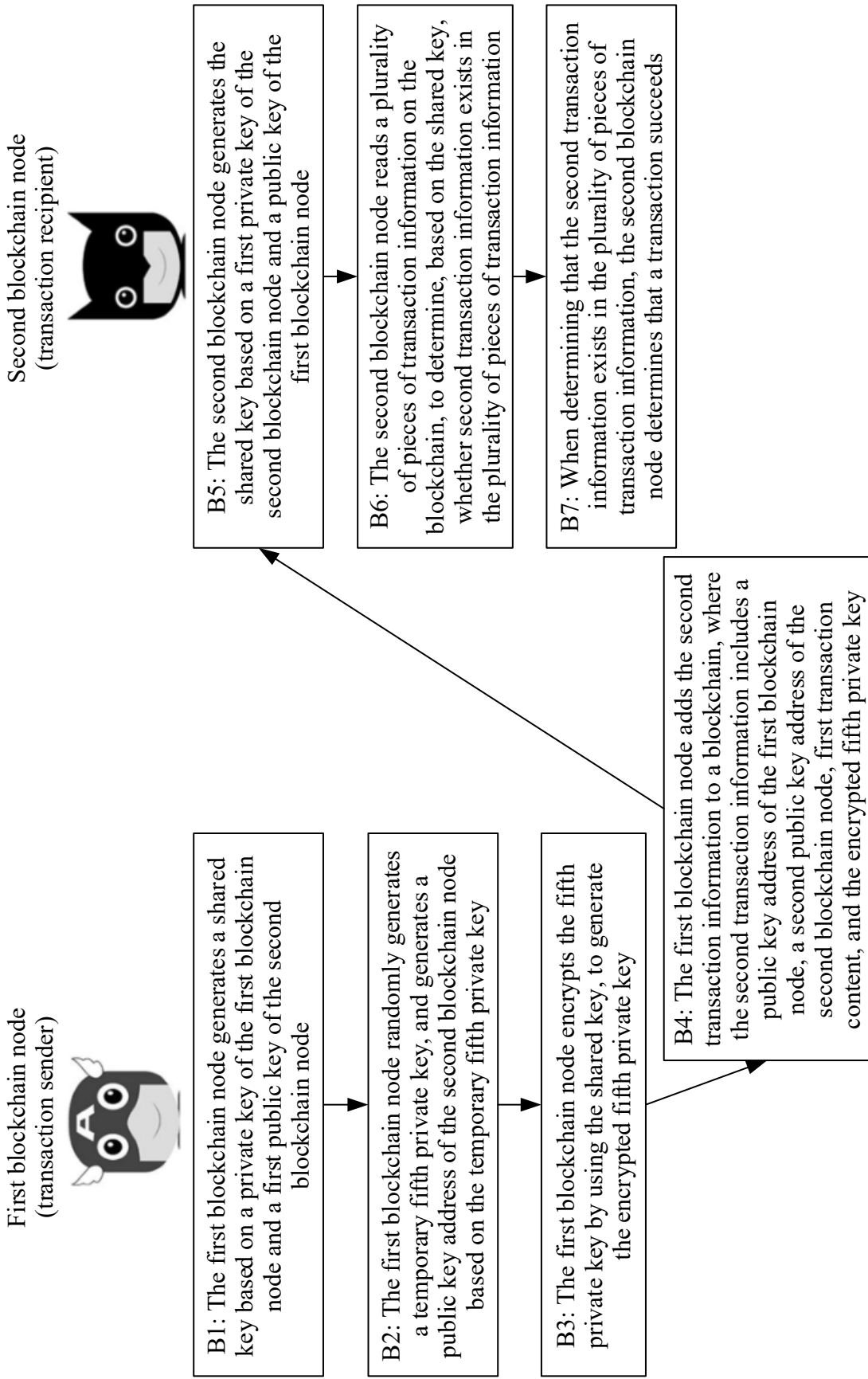
A4: The first blockchain node generates the shared key based on the private key of the first blockchain node and the first public key of the second blockchain node

A5: The second blockchain node reads a plurality of pieces of transaction information on the blockchain, to determine, based on the shared key, whether the first transaction information exists in the plurality of pieces of transaction information

A6: When determining that the first transaction information exists in the plurality of pieces of transaction information, the second blockchain node determines that a transaction succeeds



FIG. 1



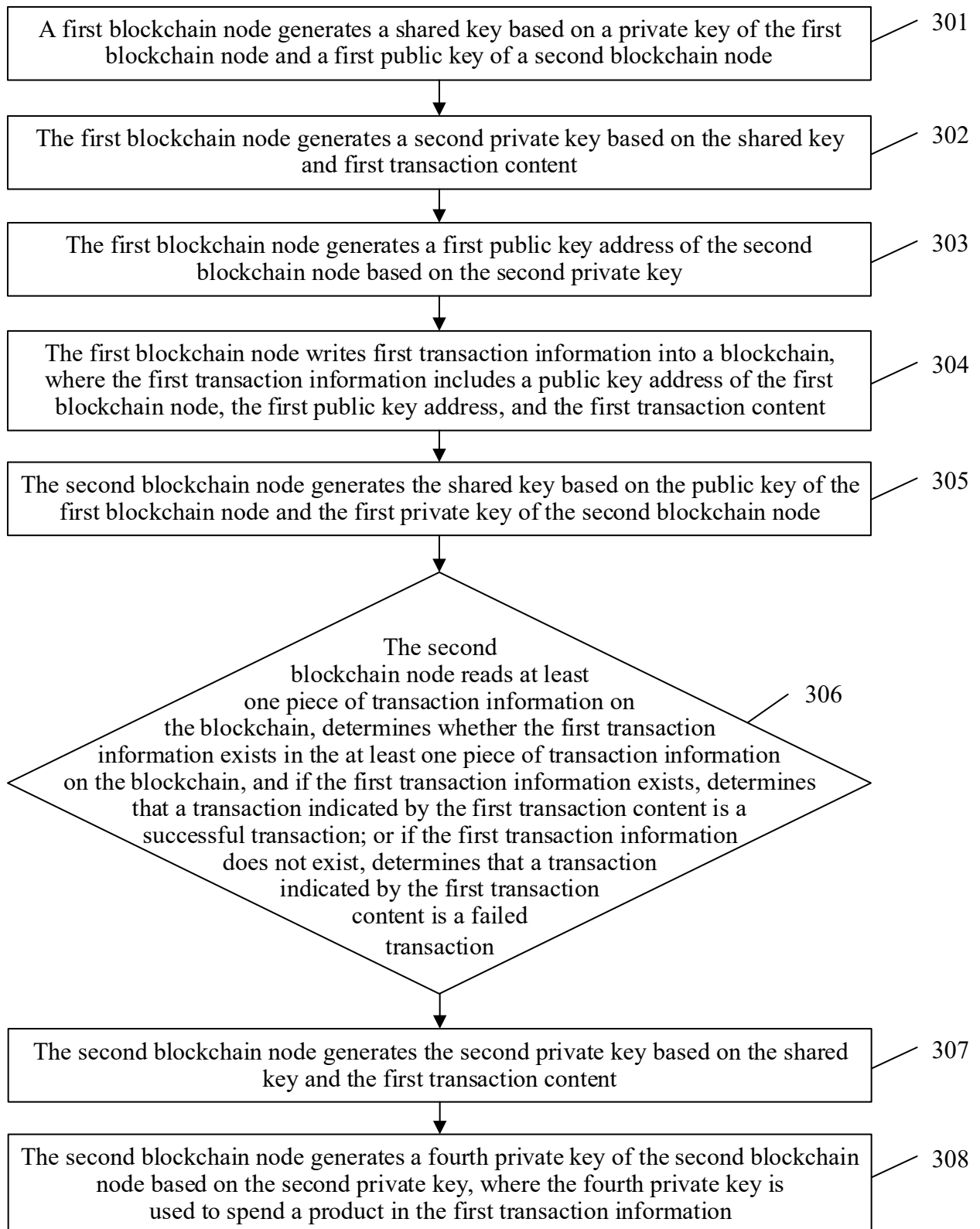


FIG. 3

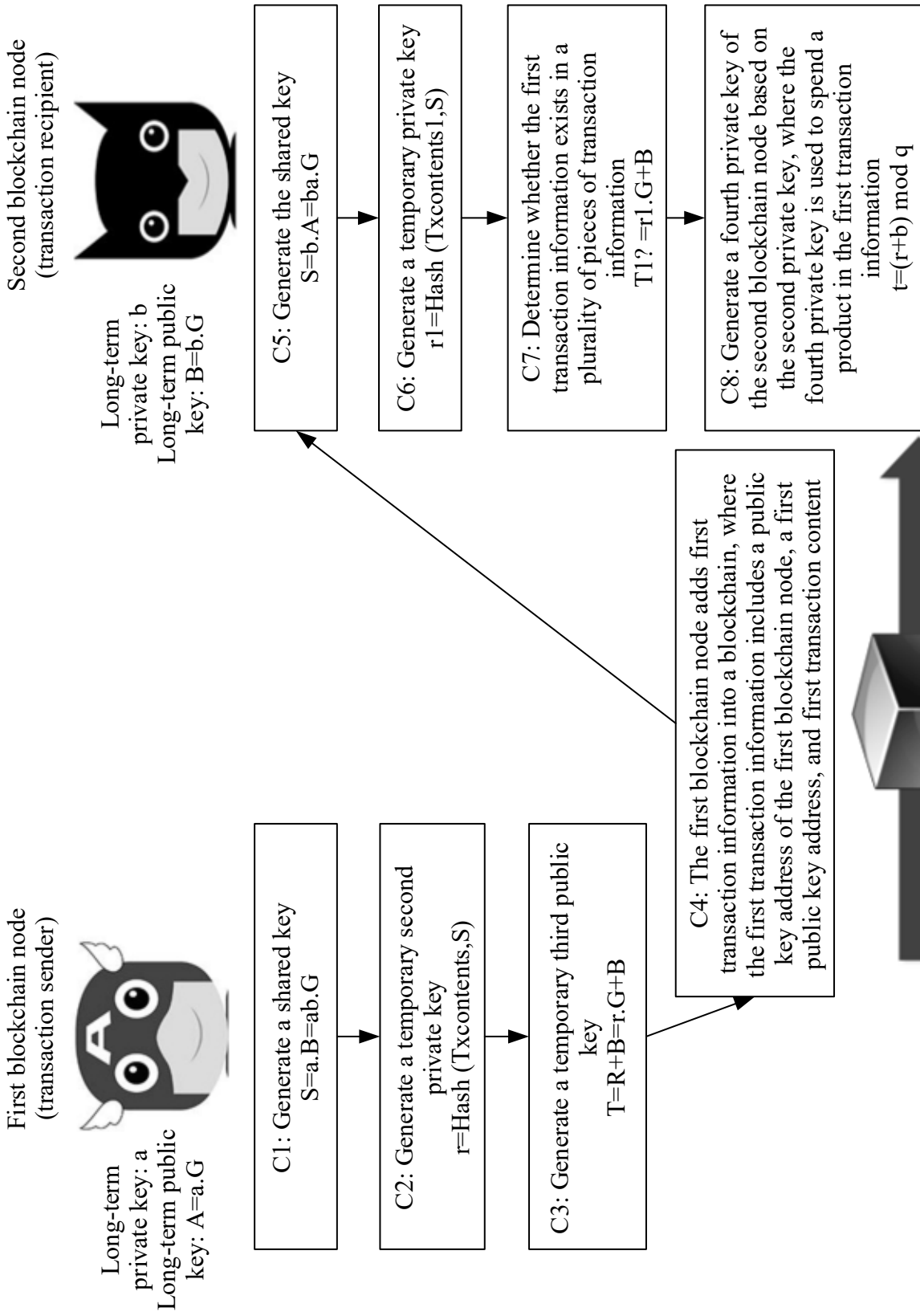


FIG. 4

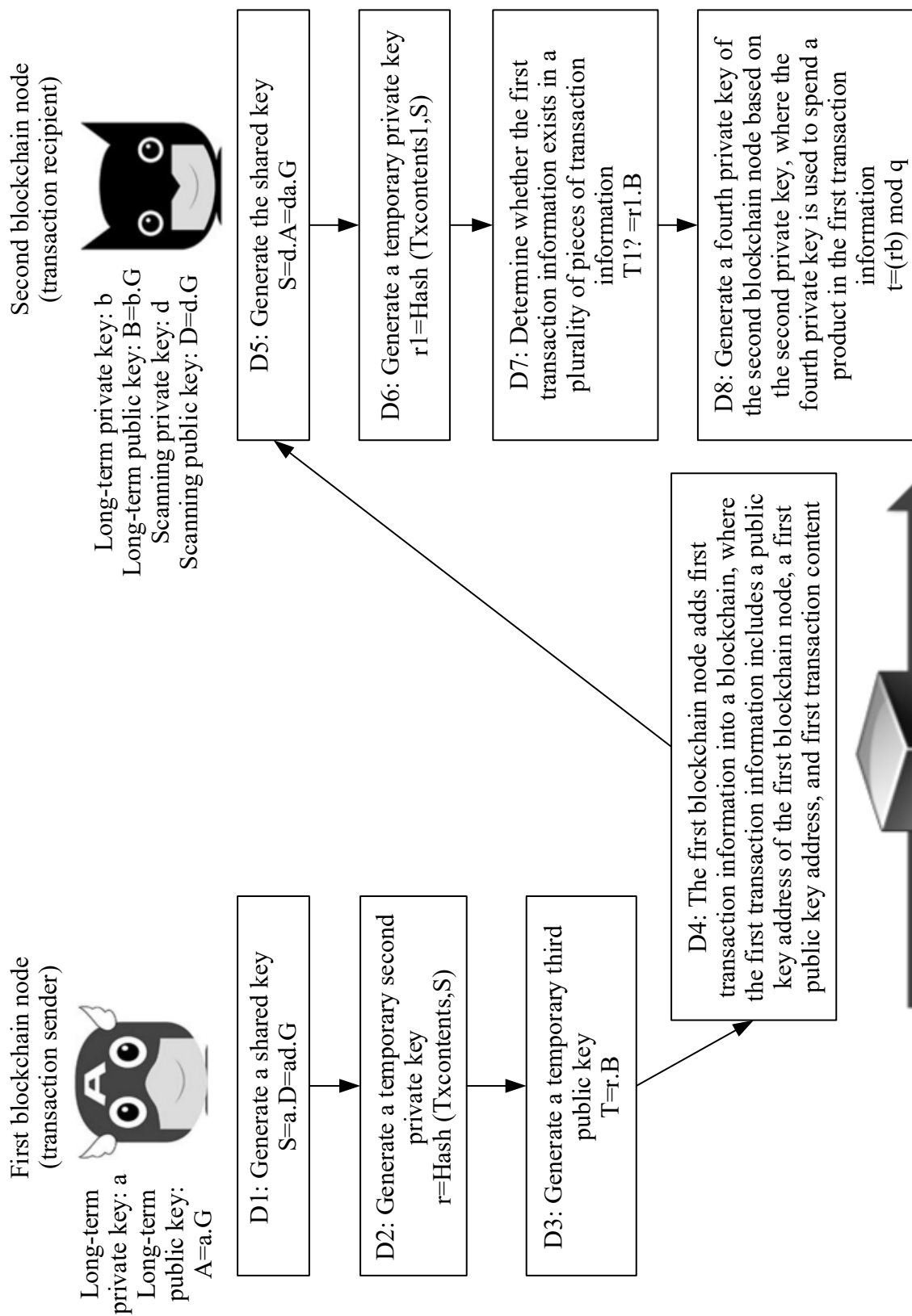


FIG. 5

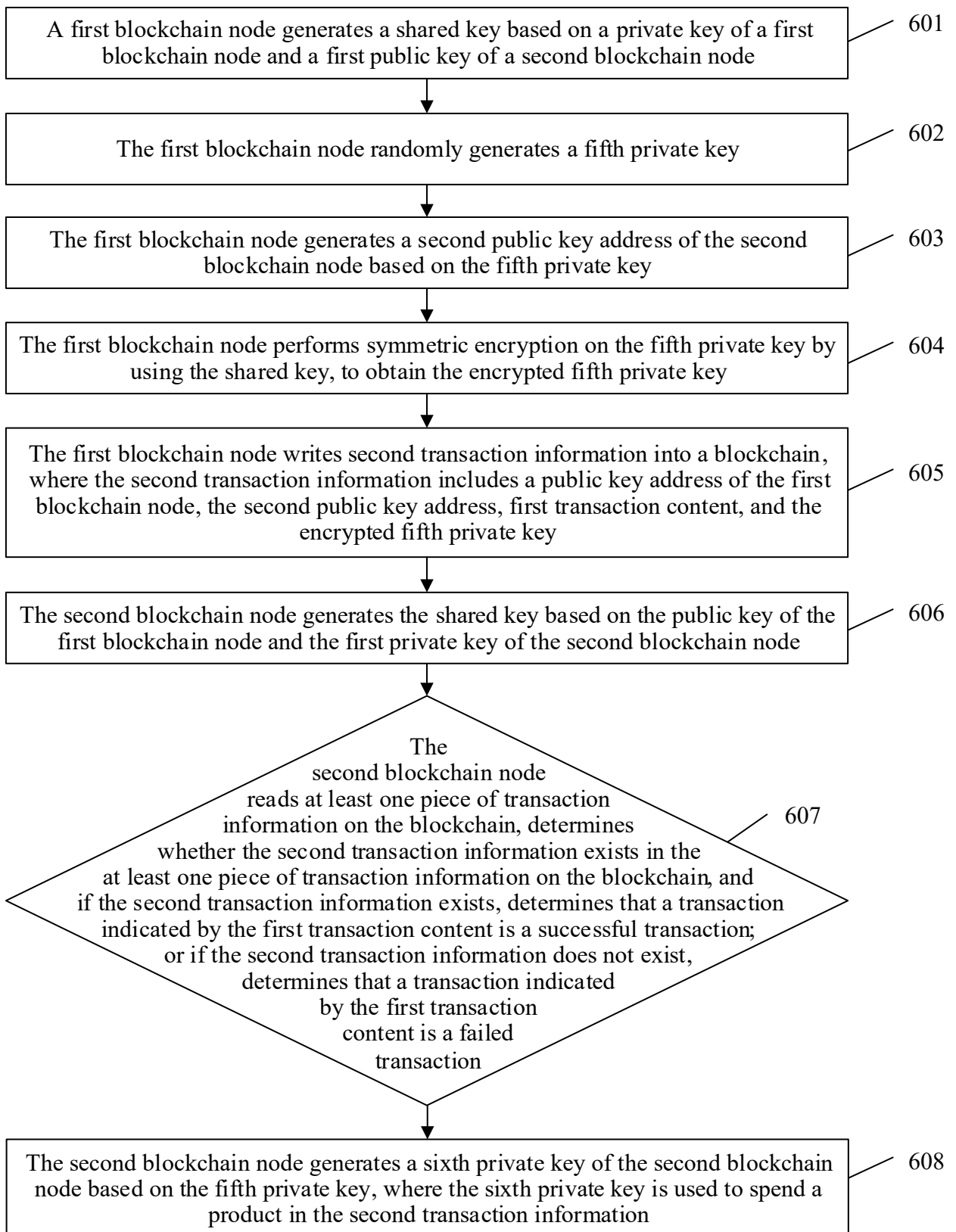


FIG. 6

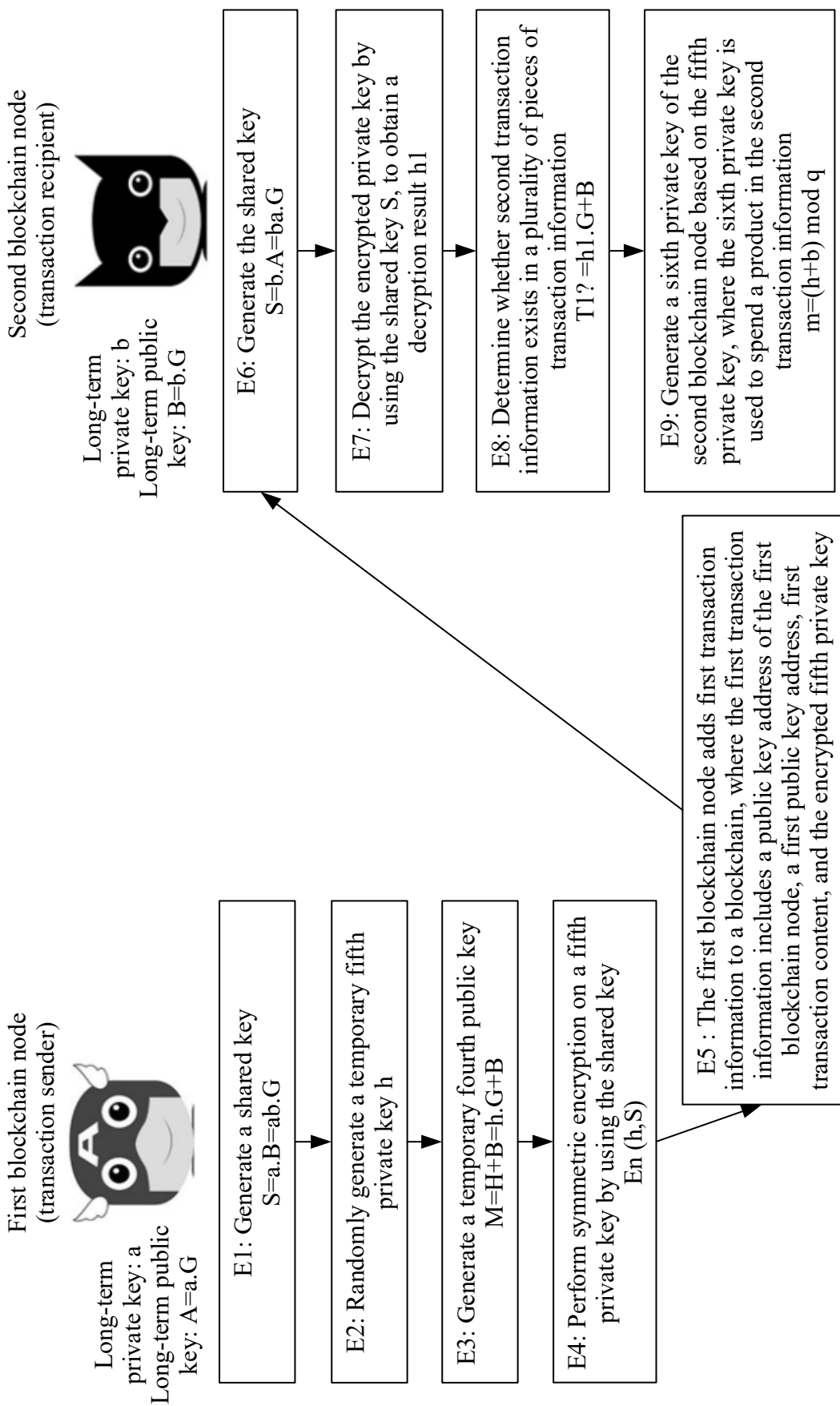


FIG. 7

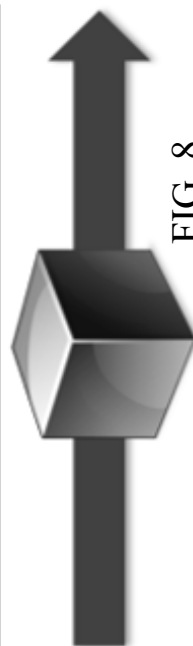
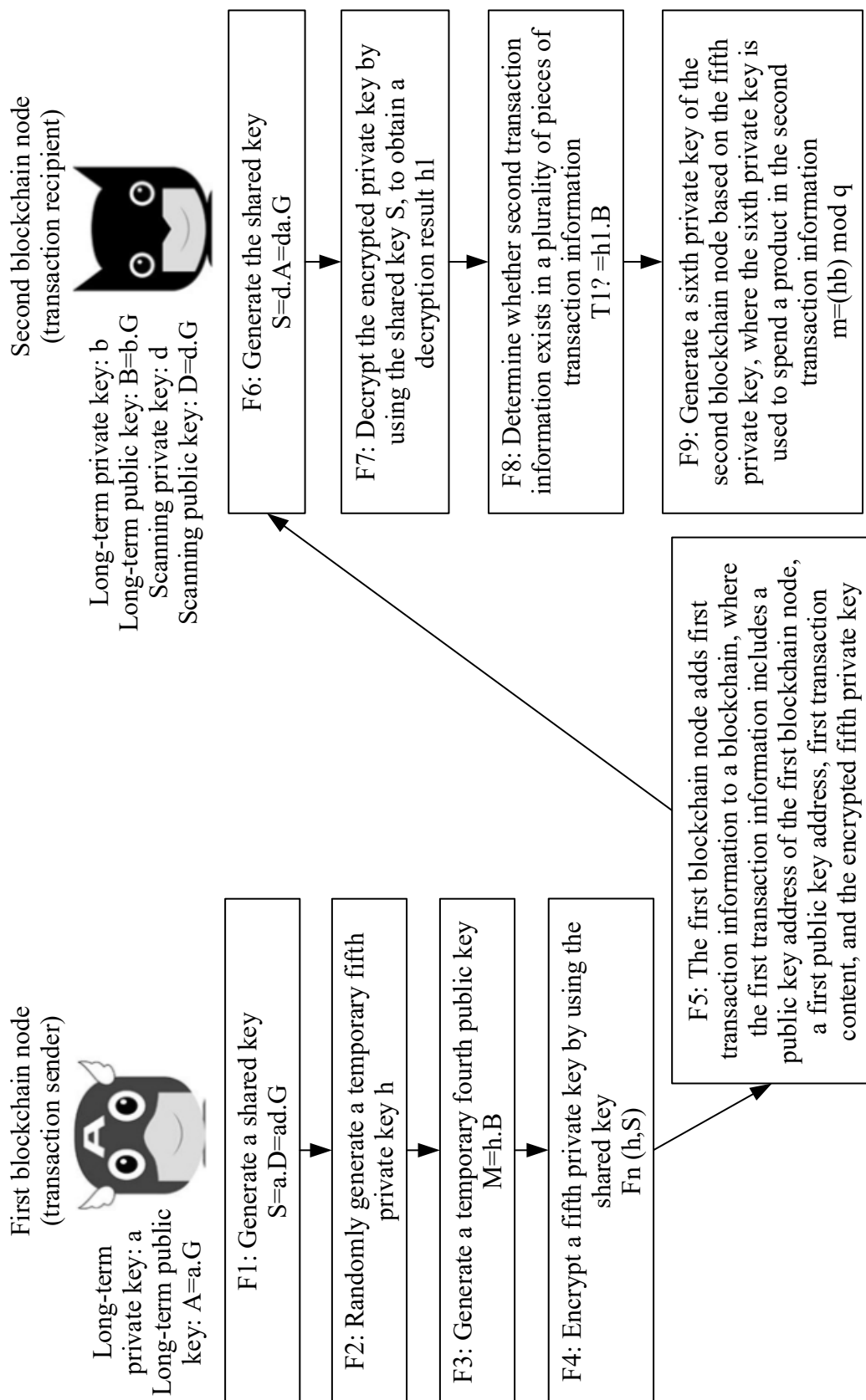


FIG. 8

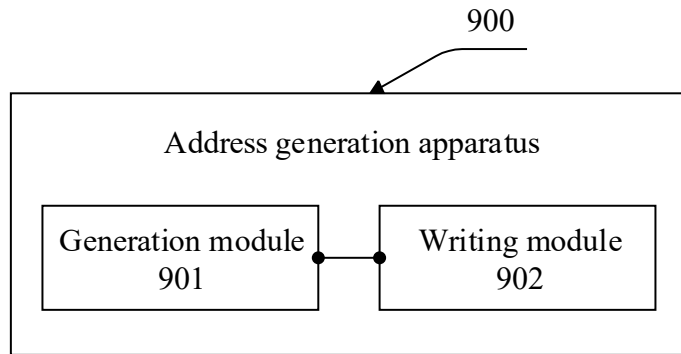


FIG. 9

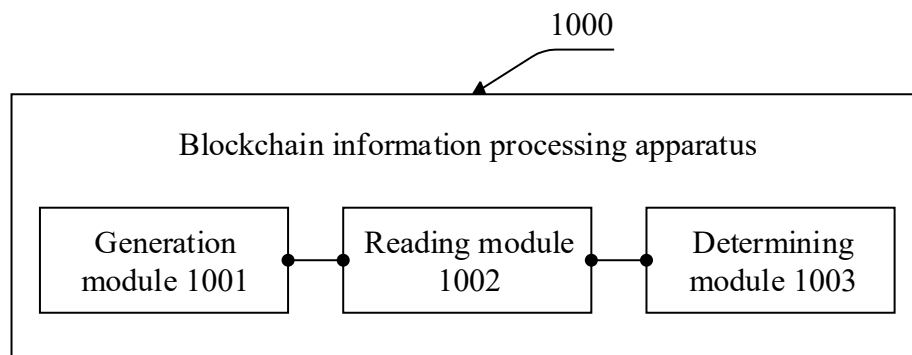


FIG. 10

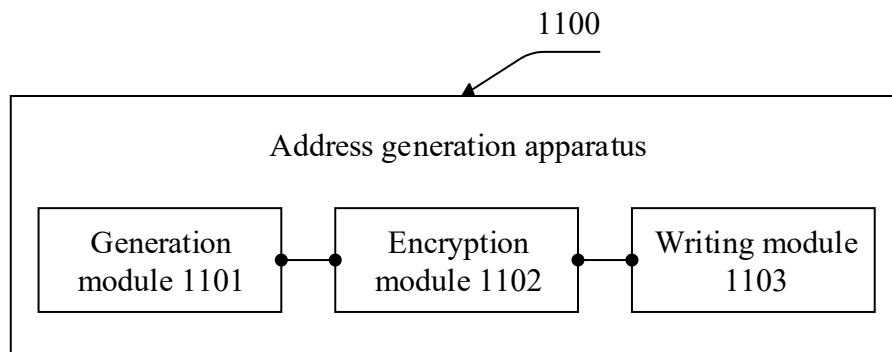


FIG. 11

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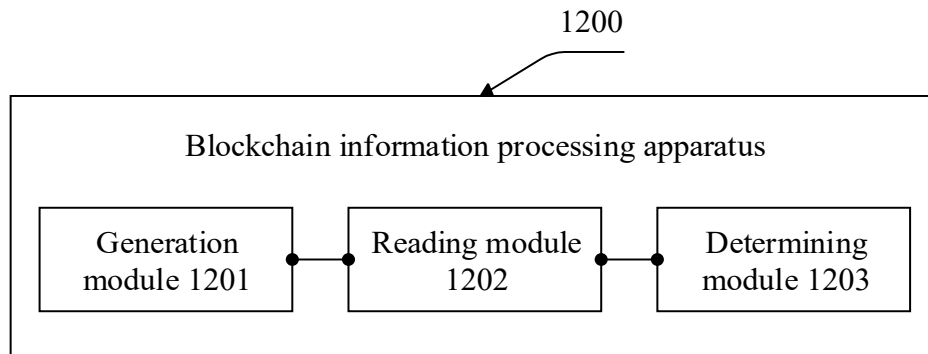


FIG. 12

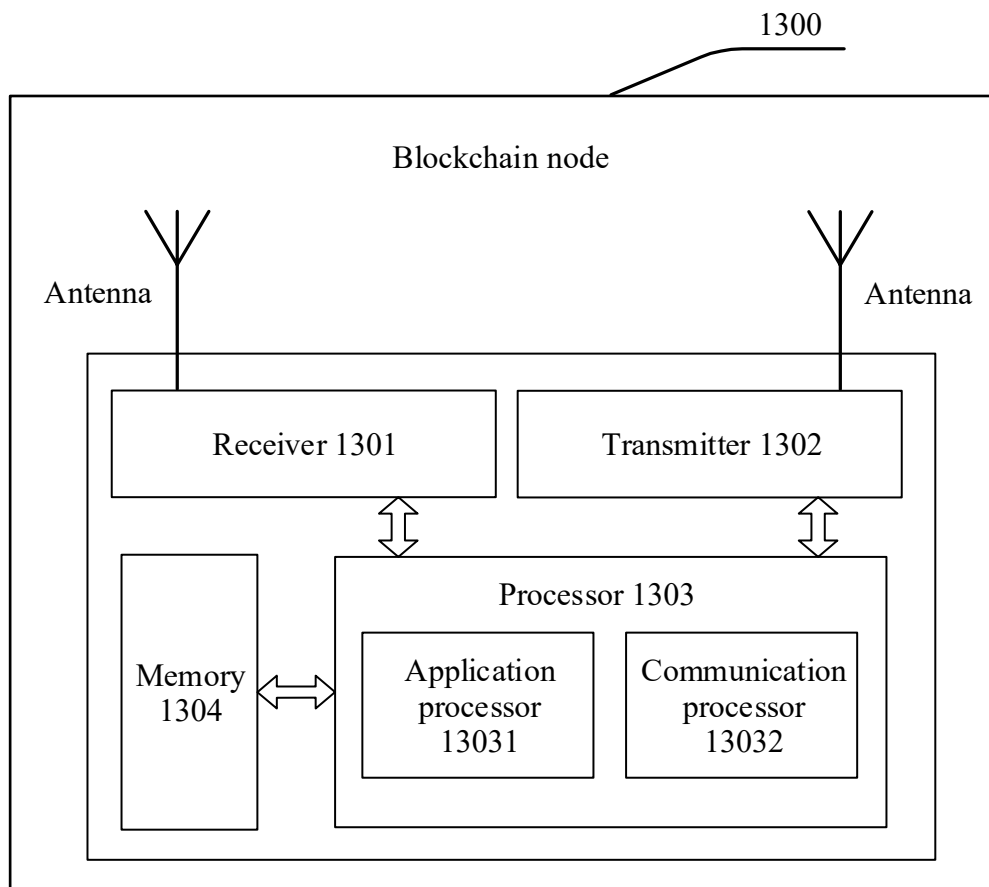


FIG. 13